

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF A EXISTING TRAFFIC SIGNAL AT MD 528 (PHILADELPHIA AVE.) AND 33RD STREET IN WORCHESTER COUNTY. THE EXISTING LOOP DETECTORS FOR THE LEFT TURNS FOR MD 528 AND THE PRESENCE DETECTION OF THE SIDE ROADS OF 33RD STREET SHALL BE REMOVED. NEW OVERHEAD VIDEO DETECTION CAMERA'S SHALL BE INSTALLED TO THE MAST ARM'S OF MD 528 AND 33RD STREET FOR THE ACTUATION OF LEFT TURNS FOR NORTH AND SOUTHBOUND MD 528 AND FOR THE SIDE STREET PRESENCE DETECTION OF 33RD STREET.

INTERSECTION OPERATION

A CONTROLLER HOUSED IN AN EXISTING BASE MOUNTED CABINET IS INSTALLED AT THIS LOCATION. THE INTERSECTION OPERATES IN A FULLY ACTUATED MODE USING 7 NEMA PHASES. VIDEO DETECTION CAMERAS SHALL BE INSTALLED AT THIS LOCATION FOR THE ACTUATION OF THE LEFT TURNS FOR THE MAINLINE (MD 528 PHILADELPHIA AVE.) AND THE SIDE STREET PRESENCE DETECTION OF 33RD STREET.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GENE COFIELD, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040
MR. JAMES R. WRIGHT, ASSISTANT DISTRICT ENGINEER-MAINTENANCE
PHONE: (410) 677-4010
MS. RAVINDRA GANVIR, ASSISTANT DISTRICT ENGINEER- CONSTRUCTION
PHONE: (410) 677-4020
MR. BRUCE W. POOLE, UTILITY ENGINEER
PHONE: (410) 677-4082
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

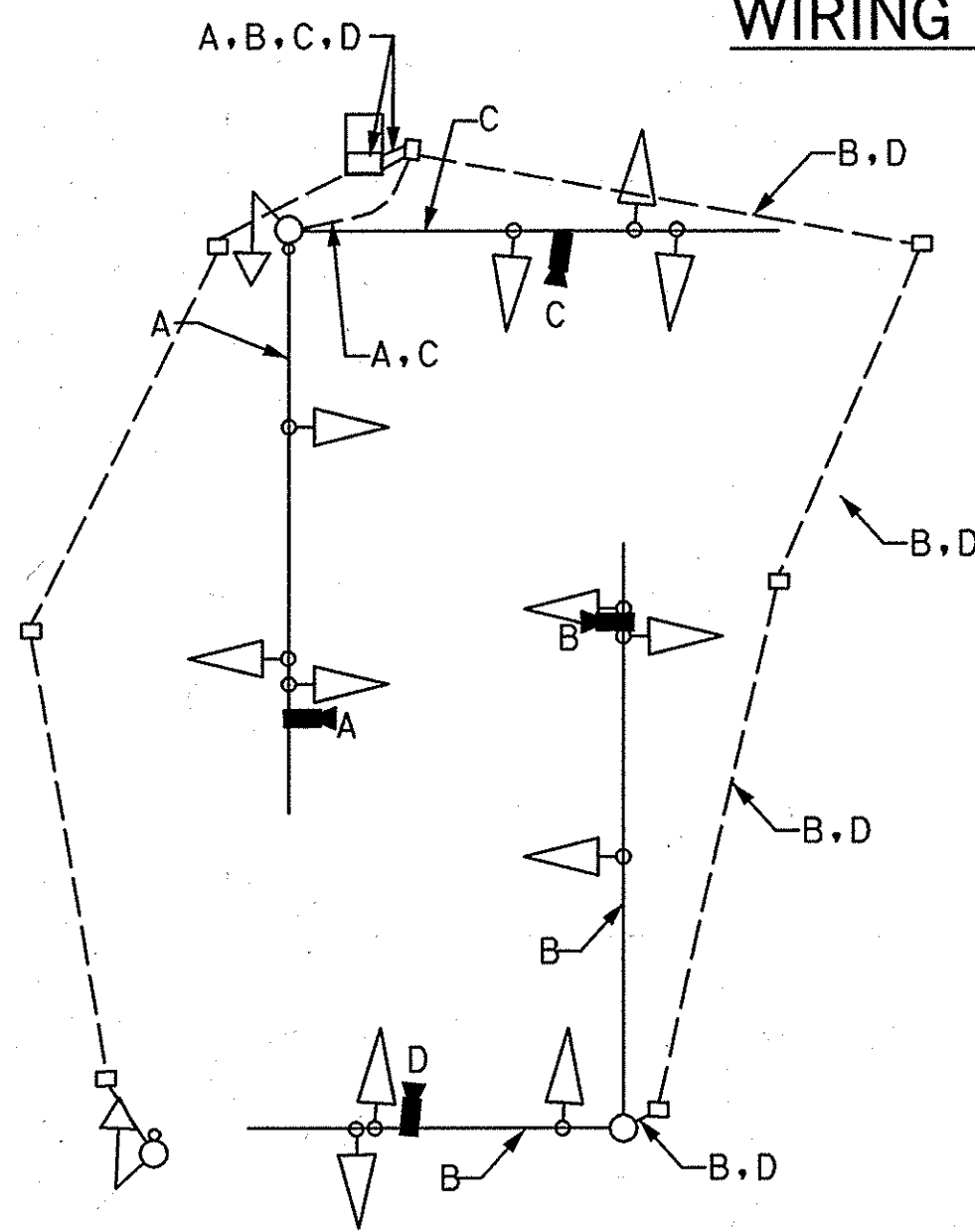
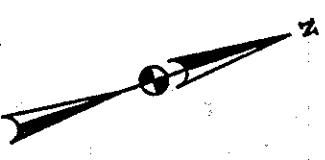
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9086	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC PER ASSIGNMENT	EA	* SEE SHEET 2
8004	REMOVE AND DISPOSE OF EQUIPMENT PER ASSIGNMENT	EA	*
8026	VIDEO DETECTION CAMERA	EA	4
8027	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	2
8028	CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER	EA	2

C. MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

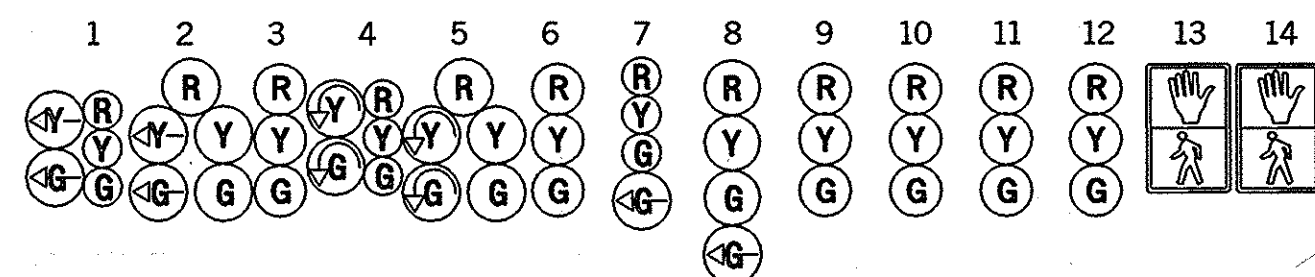
WIRING DIAGRAM



KEY

A
B
C
D
VIDEO DETECTION CABLE

PHASE CHART



PHASE 1 AND 5	←G←R	←G←R	R	←G←R	←G←R	R	R	R	R	R	R	R	R	R	R	DW	DW	↑
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																		↓
PHASE 1 AND 6	←G←G	←G←G	G	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	↑
1 AND 6 CHANGE	←Y←G	←Y←G	G	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	↓
PHASE 2 AND 5	R	R	R	←G←G	←G←G	G	R	R	R	R	R	R	R	R	R	DW	DW	↑
2 AND 5 CHANGE	R	R	R	←Y←G	←Y←G	G	R	R	R	R	R	R	R	R	R	DW	DW	↓
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	↑
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	↓
PHASE 3	R	R	R	R	R	R	←G←G	←G←G	G	R	R	R	R	R	R	DW	DW	↑
3 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	R	R	R	R	R	DW	DW	↓
PHASE 4	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	↑
4 CHANGE	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	↓
PHASE 3 AND PHASE 8 ALT	R	R	R	R	R	R	←G←G	←G←G	G	R	R	R	R	R	R	WK	WK	↑
PHASE 8 PED CLEARANCE	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	FLDW	FLDW	↓
PHASE 8 ALT CHANGE	R	R	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	↑
PHASE 4 AND PHASE 8 ALT	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	WK	WK	↑
PHASE 8 PED CLEARANCE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	FLDW	FLDW	↓
PHASE 8 ALT CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	↑
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	↑

TOD No: AT725-12
SHA No: WO440A52/B52
MD 528: 26th Street to 65th Street

SABRA, WANG & ASSOCIATES, INC.
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SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 528 (PHILADELPHIA AVE.) AT
33RD STREET**
OCEAN CITY, MARYLAND

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE 08/24/07 CONTRACT NO. AT725185

DESIGNED BY S. SMITH COUNTY WORCESTER
DRAWN BY J. WOOD LOGMILE 23052806.39
CHECKED BY J. WEAVER T.I.M.S. NO. H928
F.A.P. NO. TOD NO.

TS NO. **416H** DRAWING 2 OF 2 SHEET NO. 6 OF 16